

Control Valve for a Hydraulic Brake Booster

Abstract

A control valve of a hydraulic brake booster for use in a brake system. The control valve is characterized by a shuttle member having a stem on a first end and an annular projection on a second end. The stem has an annular surface thereon that is matched with an orifice from an supply chamber such that metered pressurized fluid is uniformly presented to an actuation chamber to effect a brake application while the annular projection is matched with a flange on an actuator piston such that the pressurized fluid present in the actuation chamber is uniformly metered to a reservoir.